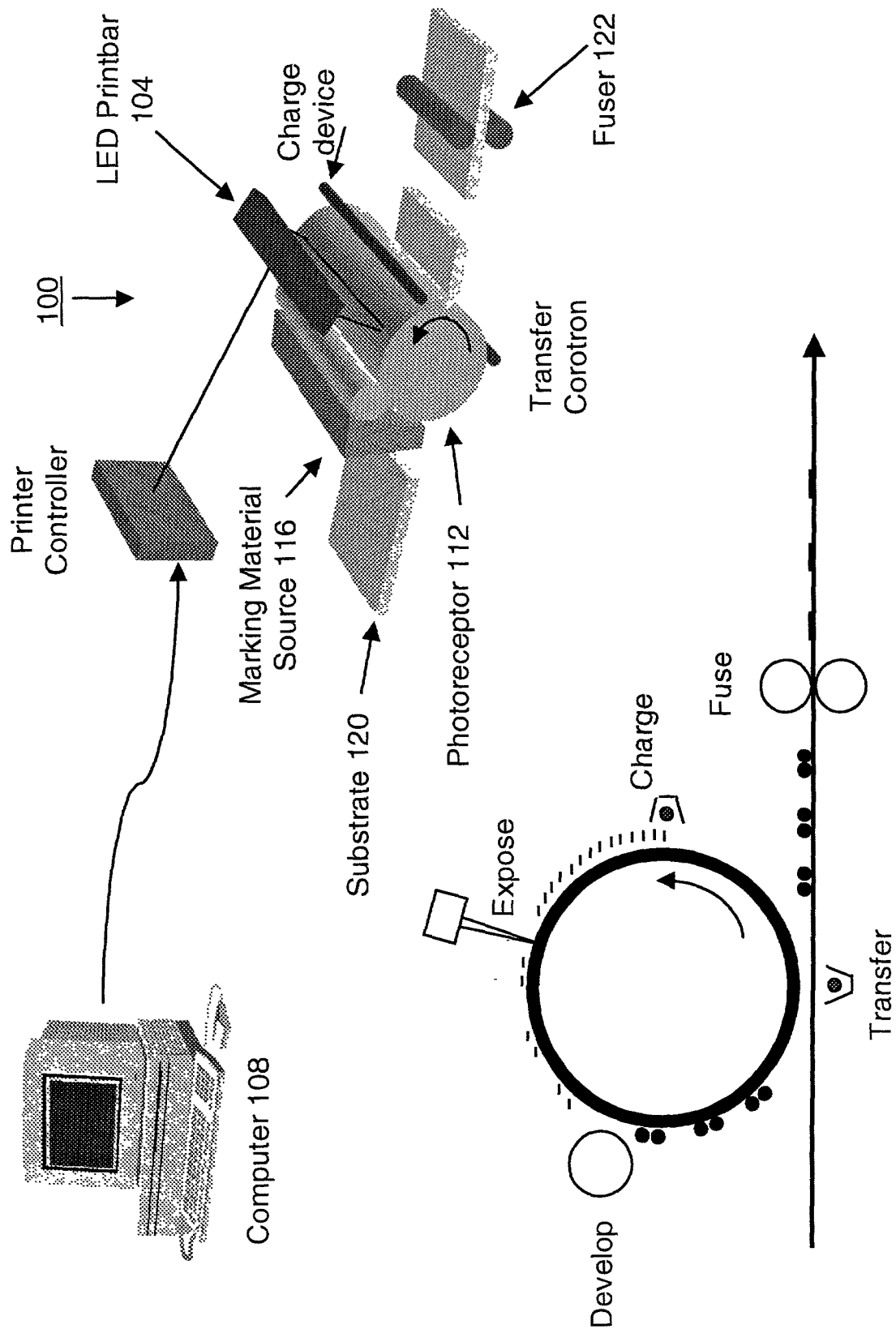
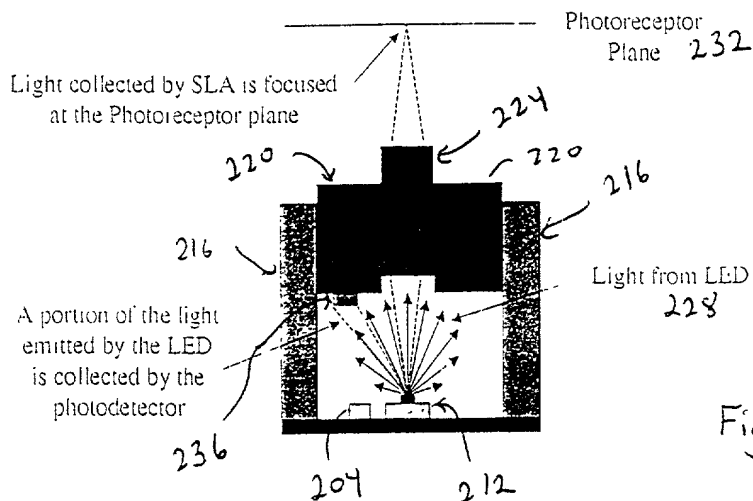


Printer with LED Printbar

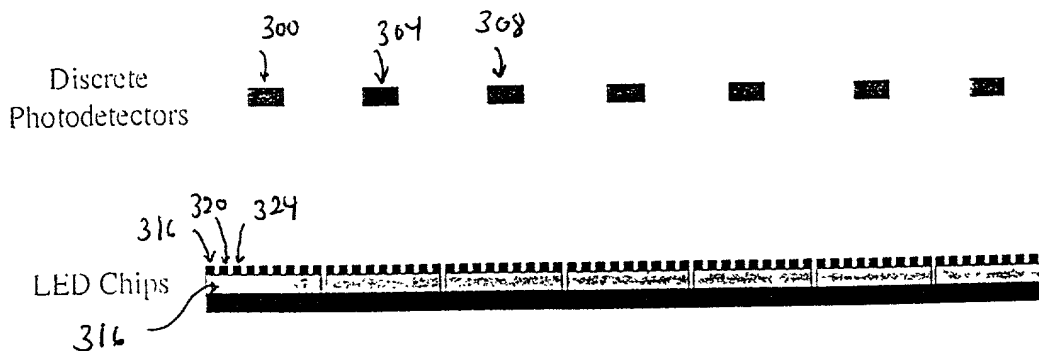


LED Printbar with Illumination Detection



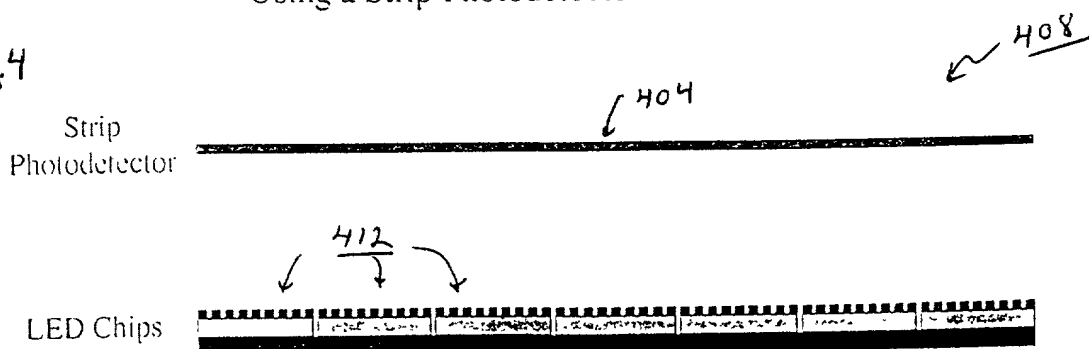
LED Printbar with Illumination Level Detection Using Discrete Photodetectors (1 per LED Chip)

Fig. 3

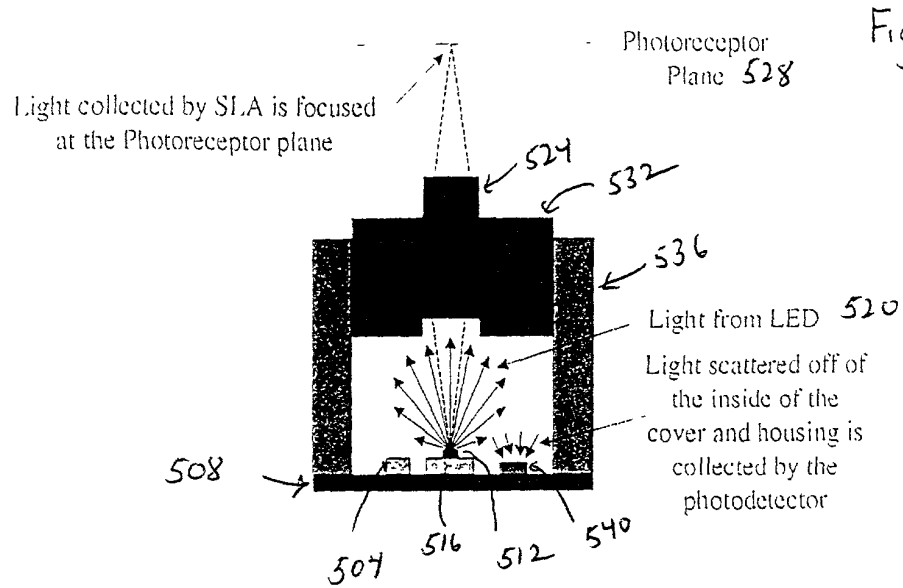


LED Printbar with Illumination Level Detection Using a Strip Photodetector

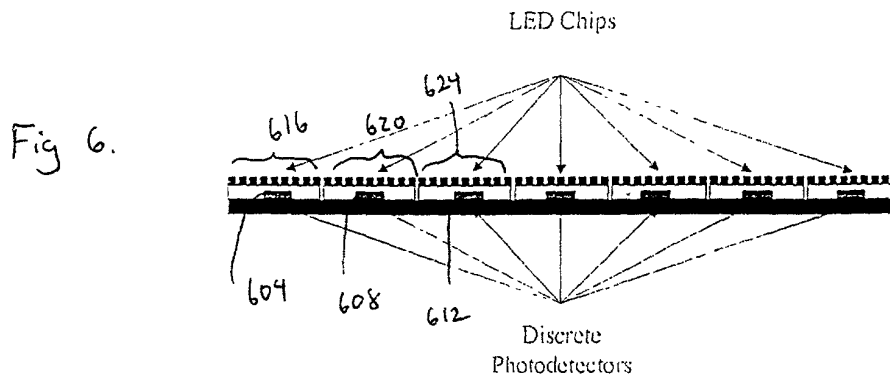
Fig. 4



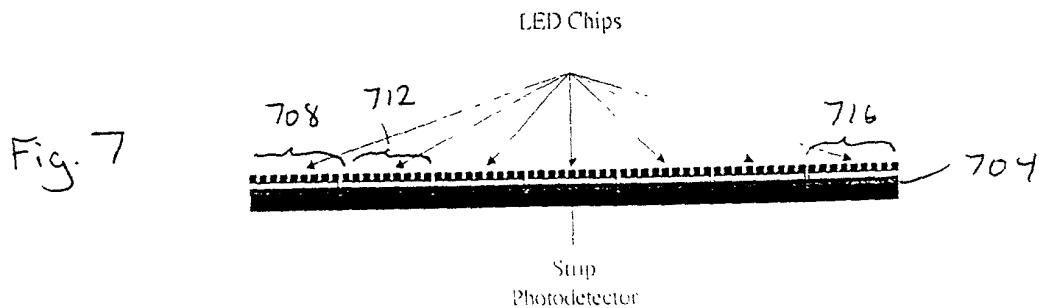
LED Printbar with Illumination Detection



LED Printbar with Illumination Level Detection Using Discrete Photodetectors (1 per LED Chip)



LED Printbar with Illumination Level Detection Using Discrete Photodetectors (1 per 2 LED Chips)



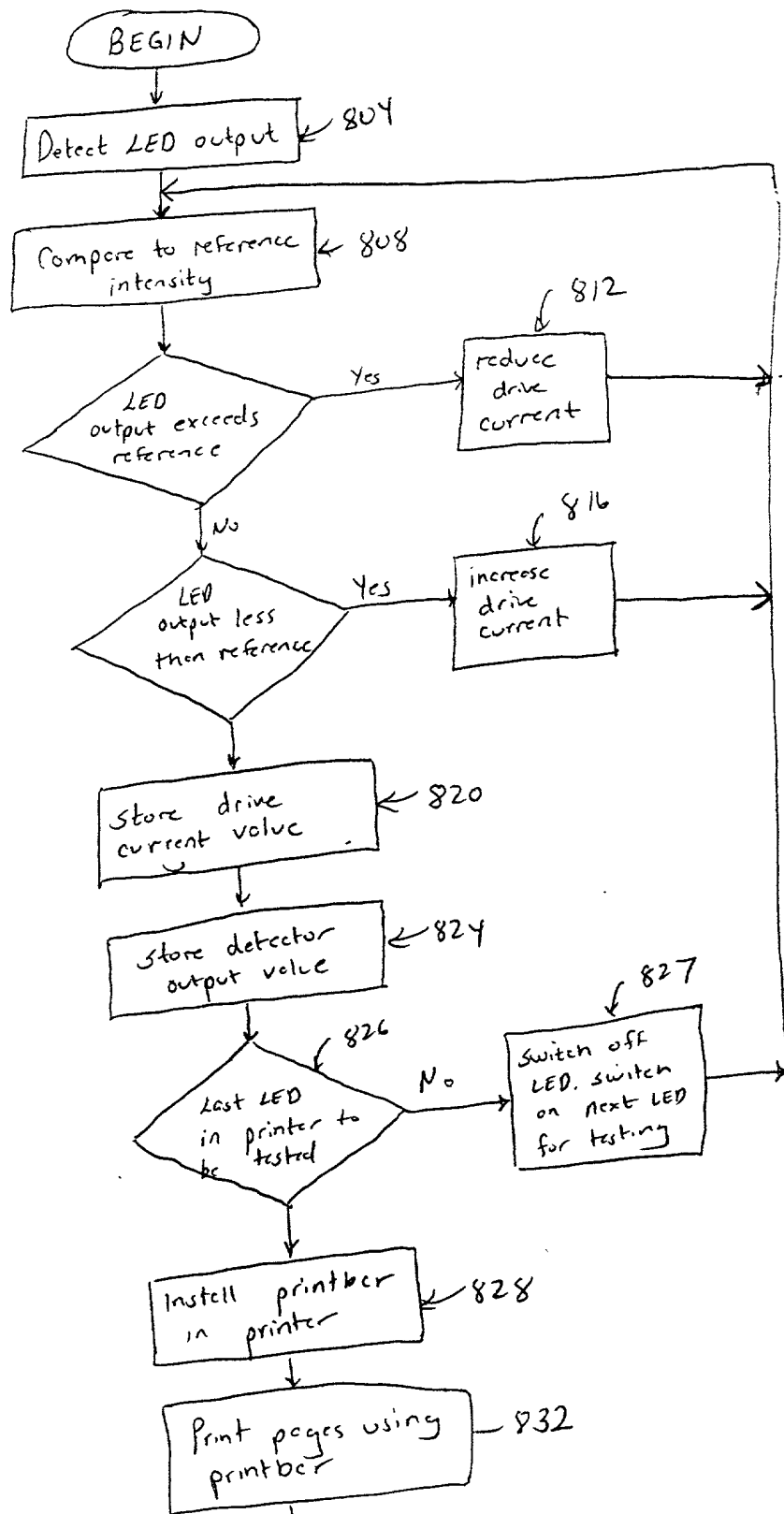


Fig 8.

Print Pages using printer ← 832

Fig 8 (continued)

Receive signal to recalibrate printer ← 836

Switch on LED to be tested switch off others ← 840

Compare detector current with maximum detector current ← 844

Detector current below stored max detector current

Yes

Increase drive current ← 848

Detector current exceed max stored detector current

Yes

decrease drive current ← 852

No

Store new calibration current for LED ← 856

Test LED tested ← 860

No

Switch off tested LED switch on next LED for testing ← 864

Yes

END

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